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# Veda Verse: Act in the Knowledge of Veda's

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#### ABSTRACT

In today's world, many young people lack a solid understanding of our historical scriptures, such as the Vedas and Puranas. This gap exists because our education tends to focus more on conflicts involving Mughals and Portuguese, sidelining our diverse historical narrative and making students less familiar with the foundational beliefs of Hinduism. It's important to teach about different religions and cultures, there's a need to strike a balance that ensures a fair representation of Hinduism without excluding other knowledge. The request here is not to disregard information about other religions but rather a plea to address the current imbalance. The goal is to prevent the unintentional neglect of the profound teachings within Hinduism. The Veda Verse initiative seeks to fill this educational gap by contributing to the restoration and spread of knowledge about our ancient scriptures. Through active participation in this initiative, there is hope to bridge the existing gap and promote a more comprehensive understanding of our cultural and spiritual heritage.

Keywords: chatbot, Hinduism, historical, Vedas, puranas.

#### 1. Introduction

A chatbot is more than just a conversational interface; it serves as a versatile tool allowing users to seek answers to profound questions and explore engaging narratives. From inquiries about the purpose of life to delving into stories reminiscent of the Mahabharata era, a chatbot like "VedaVerse" transcends conventional interactions. It provides a unique space for users to connect with ancient wisdom, offering insights that echo the deep introspection found in historical scriptures.

"VedaVerse" is not just a chatbot; it's an immersive space where users can delve into profound questions about life, purpose, and the very essence of existence, reminiscent of the inquiries that crossed Arjuna's mind during the Mahabharata. Here, users can seek answers to queries like "What is life?" and explore narratives that echo the deep introspection witnessed in ancient scriptures. Beyond being a mere chatbot, "VedaVerse" offers a platform for users to engage with stories and ancient wisdom, fostering a connection with heritage.

The essence of "VedaVerse" lies in its goal—to share ancient wisdom and history, providing inspiration and guidance to the new generation. As users navigate through conversations and stories, the project becomes a conduit for bridging the gap between the past and the present, allowing individuals to connect with their cultural roots. In the word "VedaVerse," 'Veda' represents the sacred texts like the Bhagavad Gita, while 'Verse' encompasses the expansive world of Vedic literature. Essentially, it creates a virtual space that goes beyond the ordinary, offering an opportunity to explore and experience profound knowledge and inspiration.

This research paper will delve into the development, features, and impact of "VedaVerse," shedding light on how technology intertwines with ancient wisdom to provide a unique and enriching experience for users. The project aims not only to preserve cultural heritage but also to inspire a deeper understanding of life's complexities among the new generation.

Overview of Bhagavad Gita: The Bhagavad Gita, often seen as a divine dialogue between Lord Krishna and Arjuna on the battlefield, holds profound significance. Rooted in the belief that the Vedas are the breath of the divine, and the Gita, representing the words spoken in equipoise, is considered the voice of the Lord. It explores the principles of duty (dharma), righteousness, and the journey toward self-realization.

This sacred scripture transcends finite emotions, emphasizing the infinite nature of God and the eternal soul. Despite the impermanence of emotions, the Gita's teachings guide individuals on the path of virtuous living with detachment, highlighting the importance of performing duties in alignment with one's dharma. The essence lies not only in divine emotions but also in practical wisdom, offering a timeless guide to inner peace and spiritual fulfillment.

#### 2. Literature Review

The study explores chatbots in everyday life, emphasizing their growing influence. It integrates historical events from the Bhagavad Geeta into a chatbot, highlighting cultural and educational significance. The importance of multi-directional questions and variable answers for sustained engagement is underscored, utilizing OpenAI's capabilities. The chatbot aims to distill insights from Bhagavad Geeta content, fostering a deeper understanding of cultural and historical aspects. Emerging trends, like optimized chatbots for audio and image recognition, are identified. The business implications section explores how AI-powered chatbots streamline communication and enhance efficiency.

The Bhagavad Gita's impact on management prompts a comprehensive exploration. This ancient Indian scripture transcends spiritual origins, offering a distinctive vision for management. Its relevance extends beyond spiritual wisdom to contemporary principles. Valuable managerial insights can be extracted from various angles. The Gita serves as a manual for performance, providing principles that have become benchmarks for success. Its philosophy is pertinent to organizational success and individual growth. Emphasizing behavior control aligns with modern principles. Analytical research on conflict management reveals Gita's contribution to effective resolution. The concept of "detachment" in work challenges conventional approaches.

Chatbot systems in higher education signify a pivotal evolution in Artificial Intelligence, offering rapid services. As educational landscapes transform globally, incorporating chatbot technology presents benefits. This review emphasizes the unique focus on Tamil Nadu Higher Education, recognizing the significance of enhancing services through technological solutions. The technical implementation, utilizing Python, Flask, NLTK, PyTorch, HTML, CSS, and JavaScript, underscores a comprehensive approach. The supervised learning approach, coupled with an artificial neural network (ANN), facilitates efficient training for contextually appropriate responses. Considerations for refinement include expanding the dataset and fine-tuning the deep learning model.

The integration of the Bhagavad Gita into psychotherapeutic practices explores mental health interventions. The rationale lies in its potential to offer culturally grounded approaches, particularly relevant in the Indian context. The review outlines objectives, emphasizing dialogues between Lord Krishna and Arjuna to unveil psychotherapeutic principles. The narrative delves into nuanced psychotherapeutic approaches in the Bhagavad Gita, illustrating applicability to mental health. Comparisons with modern therapies highlight parallels and distinctions, paving the way for an indigenous psychotherapeutic model. The review addresses the significance of cultural sensitivity, emphasizing how integrating the scripture aligns with cultural norms.

In the landscape of chatbots and AI, the conceptualization of chatbots as AI software simulating conversations represents a paradigm shift. This literature review delves into foundational AI principles propelling chatbots, elucidating their capacity to analyze data and provide responsive interactions. Natural Language Processing (NLP) emerges as a pivotal element, enabling chatbots to engage in conversations with a natural flow. The user-chatbot interaction is explored through the lens of maintaining an optimal balance between innovative technology and human intervention, emphasizing aligning chatbots with user expectations. The integration of NLP and Natural Language Understanding (NLU) is detailed, underlining contributions to functionality and efficacy. The review concludes by summarizing the transformative impact of AI-powered chatbots and foresees their evolution into powerful information gathering tools. The future outlook underscores the role of developers in navigating advancements, shaping chatbot technology and its integration with AI in reshaping human interactions with technology.

#### 3. Existing Work

In the landscape of AI innovation, the "GitaGPT" initiative introduces a novel approach to engaging with the teachings of the Bhagavad Gita. Conceptualized by Sukuru Sai Vineet, a software developer at Google, GitaGPT harnesses the potentials of the GPT-2 and GPT-3 models to offer an interactive experience, allowing users to interact with an AI-powered Lord Krishna. This digital endeavor enables individuals to pose life-related questions, seek motivation, and delve into mindfulness through conversations with the AI, echoing the wisdom found in the Bhagavad Gita.

- O GitaGPT Insights: GitaGPT stands out as an innovative project utilizing the capabilities of GPT-2 and GPT-3 models to generate responses based on Bhagavad Gita text. Under the guidance of Sukuru Sai Vineet, the GPT models undergo specific training on the Bhagavad Gita, enabling them to provide insightful answers to user-submitted queries. The project aims to make the timeless knowledge of the Bhagavad Gita more accessible to contemporary audiences by fostering a conversational interface. Technically, GitaGPT utilizes pre-trained GPT models, refining them with specific question-answer pairings to ensure logical and contextually relevant responses.
- Evolution to GPT-2: As a follow-up to GPT-1, GPT-2, introduced by OpenAI in 2019, marked a substantial advancement. With an impressive 1.5 billion parameter count, GPT-2 surpassed its predecessor, utilizing a vast and diverse dataset from Common Crawl and WebText. Recognized for its ability to produce coherent and lifelike text, GPT-2 became valuable for natural language processing tasks, such as translation and content creation.
- O GPT-3 Revolution: The advent of GPT-3 in 2020 ushered in a new era of natural language processing capabilities. Surpassing GPT-1 by over 100 times and GPT-2 by more than ten times, GPT-3 boasts an astounding 175 billion parameters. Drawing from extensive datasets like BookCorpus, Common Crawl, and Wikipedia, GPT-3 excels in generating complex responses across various NLP tasks. Its unique strength lies in producing coherent text, writing code, and creating original artwork. Distinguishing itself from predecessors, GPT-3 excels in generating contextually appropriate replies, with applications ranging from chatbots to content generation and language translation. Notably, ChatGPT, a conversational AI bot, gained prominence as a testament to GPT-3's remarkable natural language generation capabilities.

#### 4. Proposed Methodology

#### 4.1 Tools:

- Flutter and Dart: The VedaVerse project relied on Flutter, a versatile UI toolkit from Google, and Dart, an optimized client language. These essential
  components were obtained directly from the official Flutter website (https://flutter.dev/). Together, they formed the core of the application, enabling
  the creation of a visually appealing and high-performance user interface.
- 2. Dialogflow: The conversational intelligence of VedaVerse was powered by Dialogflow, a robust natural language understanding platform. Procured through the Google Cloud Platform, Dialogflow was meticulously configured to meet the unique requirements of the VedaVerse project. The "VedaVerse" agent within Dialogflow underwent a comprehensive setup involving the definition of intents, training phrases, and responses, shaping it into a sophisticated conversational entity.



Fig.1 Dialog flow Architecture

- Visual Studio Code: Playing a pivotal role in the development workflow of VedaVerse, Visual Studio Code, a lightweight yet powerful code
  editor, was instrumental. Downloaded from the official Visual Studio Code website (https://code.visualstudio.com/), it served as the primary
  integrated development environment (IDE) for Flutter and Dart. Extensions tailored for Flutter and Dart were seamlessly integrated into Visual
  Studio Code, enhancing the coding experience and streamlining the development process.
- dialogflowtter: A crucial component in the integration puzzle, the "dialogflowtrer" package facilitated a robust connection between the Flutter
  application and Dialogflow. This Dart client library for Dialogflow provided a layer of abstraction, simplifying the integration process and
  enabling seamless communication. Its capabilities extended beyond integration, offering utilities for interacting with Dialogflow efficiently.

#### 4.2 Methods:

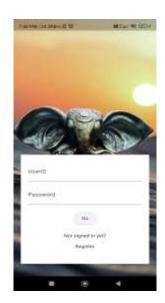
- Dialogflow Setup: The initial phase involved creating a Dialogflow agent named "VedaVerse." This agent was configured to interpret user
  queries related to various sections of the VedaVerse app, including notes, wallpapers, quotes, and the distinctive "Verses Whisper" section.
  Intents were meticulously defined to cover a wide range of potential user inputs.
- Dialogflow Configuration: Dialogflow was configured to handle natural language processing effectively. Fulfillment was enabled to allow seamless integration with external services. Webhooks were configured to facilitate communication between Dialogflow and the Flutter application, enabling dynamic responses based on user queries.
- 3. Flutter Implementation: The Flutter project, named "VedaVerse," was initiated in Visual Studio Code. The necessary dependencies for Dialogflow integration were added to the project. The Flutter app was designed to handle user interactions, send queries to Dialogflow, and display responses, creating a fluid conversational experience.
- 4. Chatbot Features: The chatbot features were meticulously implemented within the Flutter app. Users could seamlessly navigate through various sections, initiate conversations, and receive dynamic content tailored to their queries. The "Verses Whisper" section, a unique feature of the app, allowed users to explore verses from the Bhagavad Gita without the reliance on dialogflowtter.
- 5. Verses Whisper Section: A standout feature of the VedaVerse app, the "Verses Whisper" section, provided users with a profound experience of exploring verses from the Bhagavad Gita. Users could engage with this section without the involvement of dialogflowtter, selecting verses based on specific criteria such as chapters, themes, or interpretation styles.
- 6. Testing and Iteration: Rigorous testing was conducted to validate the integration of Flutter with Dialogflow. Emphasis was placed on testing various user scenarios, ensuring the chatbot's accuracy, responsiveness, and ability to handle diverse inputs. The "Verses Whisper" section underwent thorough testing to guarantee a seamless and meaningful user experience.

7. Documentation: Comprehensive documentation was maintained throughout the development process. This documentation included detailed steps for integrating Flutter with Dialogflow, configuring Dialogflow, and implementing various features within the Flutter app. Code snippets, configuration settings, and rationale behind design decisions were documented to provide a comprehensive guide for future developers.

### 5. Implementation



Fig.2 Logo







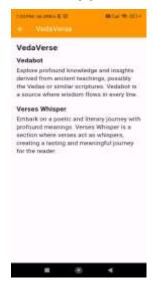
(b) Register Pag

Fig.3 Welcome

Welcome to VedaVerseEmbark on a journey of knowle6767dge and discovery with VedaVerse! Whether you're a newcomer or a seasoned explorer, our platform is designed to cater to your curiosity. New to VedaVerse? We're thrilled to have you join our community! Begin your adventure by registering with us. Just a few simple steps, and you'll gain access to a vast universe of information, inspiration, and connection. Your unique profile awaits – ready to be personalized with your interests and preferences. Click on the "Register" button below to start your VedaVerse experience. We can't wait to see what sparks your curiosity! Already a part of VedaVerse? Welcome back, fellow explorer! Your journey continues here. Simply provide your user ID and password to re-enter the realm of VedaVerse. Rediscover your saved bookmarks, track your progress, and seamlessly pick up where you left off. We appreciate your continued presence in our community. Your contributions and insights make VedaVerse the thriving hub of knowledge it is. Not sure about your login details? No worries! We've got you covered. Head to the "Forgot Password" section to reset your credentials and regain access to your account. Thank you for being an integral part of VedaVerse, where every login is a step toward enlightenment and connection. Happy exploring!



(a) Homepage1



(c) introduction of VedaVerse



b) Homepage2



(d) Meaning screen

Fig.4 Homepage

Welcome to VedaVerse, where exploration meets enlightenment! On our captivating home screen, a dynamic cursor slider beckons you to delve into the essence of four intriguing images. Each image holds a key to ancient wisdom, and with a simple tap, the veil is lifted, revealing the profound meaning behind the carefully chosen words inscribed upon them. As you navigate this visual odyssey, prepare to embark on a journey of discovery and understanding. VedaVerse, powered by Flutter, seamlessly weaves together technology and timeless knowledge for an immersive experience like no other.



Fig.5 VedaBot

#### Veda Bot section

Welcome to the BOT section, home to our virtual guide and philosopher –VedaBot! Inspired by the profound conversations between Arjuna and Krishna in the Bhagavad Gita, VedaBot is your companion for seeking wisdom and solutions. Pose your questions, akin to those that stirred in Arjuna's mind before the Mahabharata Yudha, and let VedaBot illuminate your path with insights and guidance from the sacred teachings. Explore the timeless wisdom of the Bhagavad Gita through the lens of modern-day inquiries, and let VedaBot be your digital sage on this enlightening journey.

#### Verses whisper section

Step into the Verses Whisper section, where a trio of options awaits. Firstly, choose your preferred language. Next, pick the chapter that intrigues you. Once these choices are made, the third option unfolds, displaying the verses available within that chosen chapter of the Bhagavad Gita. Dive into the profound teachings and read the verses at your own pace, embracing the wisdom of the ancient text in a language that resonates with you.



Fig.6 Verses Whisper



Fig.7 Wallpaper

### Wallpaper Wonderland

Immerse yourself in the divine beauty of our Wallpaper Section, where a mesmerizing cursor slider unveils various images in a rhythmic dance. Each image resides in its own folder, seamlessly transitioning every five seconds. Should an image captivate your spirit, a simple click unveils the download option, allowing you to bring the divine essence to your device's screen.

#### Quotes to Inspire

Elevate your spirit with our Quotes Section – a vertical slider showcasing words of wisdom to ignite your soul. Scroll through an array of inspirational quotes, and when you find one that resonates, a gentle tap reveals the download option. Let these profound words become a source of daily inspiration, easily accessible at your fingertips within VedaVerse.



Fig.8 Quotes



Fig.9 Krishna Leela

#### Krishna leela

Welcome to the enchanting realm of Krishna Leela, a dedicated section within VedaVerse that unfolds the divine tales of Bhagwan Shri Krishna. Immerse yourself in the captivating narratives of Krishna's Leelas, ranging from the triumphant Putna Vadh and Vakasur Vadh to the celestial Raas Leela. Each story is a portal to the magical world of Krishna, inviting you to witness the divine play and draw inspiration from the timeless teachings embedded within these enchanting Leelas. Journey through these sacred tales, where every page narrates a chapter of spiritual enlightenment and devotion.

#### Notes section

Introducing our Notes Section –your virtual notebook within VedaVerse! Seamlessly capture your thoughts, queries, and coding inspirations as they arise while navigating our app. Craft, edit, And delete notes effortlessly, streamlining the process of recording your insights without leaving the app environment. Whether it's a brilliant code snippet, a suggestion, or a simple reminder,let our Notes Section be your go-to space for organizing ideas on-the-fly. Elevate your user experience by keeping your thoughts in sync with the essence of VedaVerse, all within the convenience of a digital notepad



Fig.10 Notes



#### (a) Poem and Stories



(c) A Story



(b) KavyaSrishti



(d) Poetry Realm

Fig.11 Poem and Stories

In VedaVerse's gentle embrace, Two realms unfold, a linguistic grace.

PoetryRealm, where English tales bloom, KavyaSrishti, Hindi's fragrant plume.

Click English, a journey so divine, Through verses and tales, beautifully entwined.

Switch to Hindi, where KavyaSrishti lies, A tapestry of emotions beneath its skies.

Seamless transitions, a reader's delight, Cultural threads woven, pure and bright.

VedaVerse, a bridge of words we find, In simplicity and beauty, it binds.

#### 6. Future Scope

In the visionary roadmap for VedaVerse, we envision an expansive growth beyond the Bhagavad Gita. Our commitment extends to incorporating a diverse array of Vedas and Puranas, broadening the spiritual horizon for our users. Embracing a multisensory approach, we plan to introduce audiobooks, seamlessly blending the power of spoken wisdom with visual engagement. Furthermore, an interactive image integration will enhance the storytelling experience, offering a richer narrative tapestry.

Our goal is to create a holistic learning environment, catering to various interests and knowledge seekers. The platform will evolve into a comprehensive hub for spiritual literature, fostering continuous growth and exploration. In parallel, user-friendly interface enhancements will ensure seamless navigation through the expanding library, empowering users to access, explore, and engage with evolving content effortlessly. As VedaVerse evolves, our commitment to providing an immersive and enriching spiritual journey remains unwavering

#### 7. Conclusion

VedaVerse is a dynamic chatbot-centered app, transcending boundaries with features like notes, quotes, wallpapers, verses whispers, and Krishna Leela. Built on Flutter and Dart, it offers a visually appealing and interactive experience. Dialogflow and dialogflowtter enhance its conversational prowess, making it a comprehensive exploration of Hindu scriptures.

The journey involves meticulous steps, from Dialogflow agent setup to Visual Studio Code's pivotal role in development. Thorough testing ensures accuracy, with the unique "Verses Whisper" section standing out. Comprehensive documentation aids future developers. As an ongoing project, VedaVerse evolves with advanced technologies, committed to bridging educational gaps and fostering a deeper understanding of Hindu heritage. Far more than a chatbot, VedaVerse epitomizes the ongoing exploration of our cultural and spiritual legacy.

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